U. S. Department of Agriculture
Forest Service
Southeastern Area
State & Private Forestry

FOREST PEST MANAGEMENT

Report # 81-3-8

Issued: 6/16/81

AERIAL DETECTION SURVEY OF FOREST INSECT AND DISEASE ACTIVITY, NATIONAL FORESTS IN TEXAS

LAND OWNERSHIP OR SURVEY AREA: Angelina, Sabine, Sam Houston, Davy Crockett National Forests

STATE: Texas

AREA WITHIN SURVEY BOUNDARY: 664,365

DATE: June 9,10,11, 1981

PERCENT COVERAGE: 25% (Angelina) 50% (Sam Houston, Davy Crockett, Sabine)

AIRCRAFT: Helio Courier

CREW: Robert Bassett & Rick Russell (Aerial Survey Team), Ed Brown (Sam Houston NF), Charles Wright (Sabine NF), Wilbur Owens (Davy Crockett NF)

REPORT PREPARED BY: Robert Bassett

SURVEY OBJECTIVES

The objective was to determine the current level of southern pine beetle activity on the National Forests in Texas.

SURVEY RESULTS

The aerial survey indicated only a few scattered spots of dying pines in the survey area (see Table I and Figure I).

CONCLUSIONS

Forest pest and disease activity is at a low level on the National Forests in Texas. District personnel will ground check the few spots detected to confirm the causal agent. The aerial survey team appreciates the assistance of district personnel; Ed Brown, Charles Wright and Wilbur Owens.

For further information, contact:

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3620 Interstate 85, N.E.
Northgate Office Park, Room 2103
Doraville, GA 30340
Telephone: 404/221-4796

or

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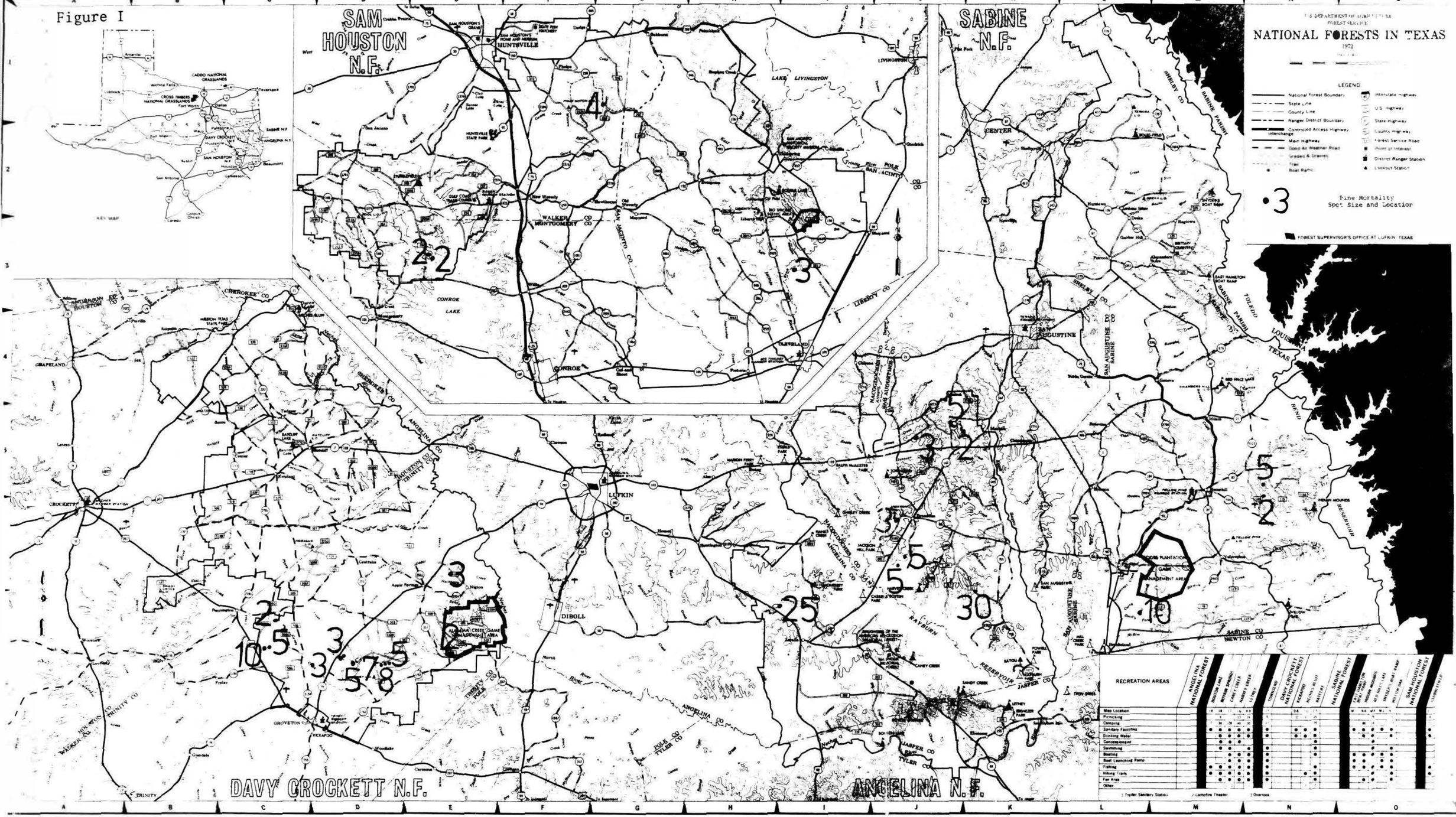
2500 Shreveport Hwy.
Pineville, LA 71360
Telephone: 318/473-7280

Table I: Summary of Aerial Survey Data, National Forests in Texas, June 9-11, 1981

Ownership	Infestation Size (# Trees)									
	2 --- 5		6 --- 21		21 --- 50		50+		Total	
	Spots	Trees	Spots	Trees	Spots	Trees	Spots	Trees	Spots	Trees
Angelina NF	6	23	1	10					7	33
Sam Houston NF	6	15							6	15
Sabine NF	1	2	2	16					3	18
Davy Crockett NF	7	21	3	25					10	46
Private lands	1	5			2	45			3	50

Figure I



U.S. DEPARTMENT OF AGRICULTURE
FOREST SERVICE

NATIONAL FORESTS IN TEXAS

1972

LEGEND

- National Forest Boundary
- State Line
- County Line
- Ranger District Boundary
- Controlled Access Highway Interchange
- Main Highway
- Good All Weather Road
- Graded & Drained
- Trail
- Boat Ramp
- Interstate Highway
- U.S. Highway
- State Highway
- County Highway
- Forest Service Road
- Point of Interest
- District Ranger Station
- Lookout Station

•3 Pine Mortality Spot Size and Location

FOREST SUPERVISOR'S OFFICE AT LUFKIN TEXAS

RECREATION AREAS	ANGELINA NATIONAL FOREST				DAVY CROCKETT NATIONAL FOREST		SABINE NATIONAL FOREST			SAM HOUSTON NATIONAL FOREST	
	BOTHAM JEAN	BOYKIN SPRINGS	EARL CURLEE	HARRIS CREEK	PICKAROO	WILDCAT BLUFF	EAST TEMPLETON BOAT RAMP	INDIAN MOUNDS	RED HILLS LAKE	WATSON BOAT RAMP	WHITE OAK
Map Location	1-B	1-B	3-B	3-B	D-4						
Picnicking	•	•	•	•	•		•	•		•	•
Camping	•	36	24	40	•		•	•		•	•
Sanitary Facilities	•	•	•	•	•		•	•		•	•
Drinking Water	•	•	•	•	•		•	•		•	•
Concessionaire	•	•	•	•	•		•	•		•	•
Swimming	•	•	•	•	•		•	•		•	•
Boating	•	•	•	•	•		•	•		•	•
Boat Launching Ramp	•	•	•	•	•		•	•		•	•
Fishing	•	•	•	•	•		•	•		•	•
Hiking Trails	•	•	•	•	•		•	•		•	•
Fee Area	•	•	•	•	•		•	•		•	•
Other											

(Trailer Sanitary Station) (Campfire Theater) (Overlook)

Aerial Detection Survey of 6/9,10,11/81